

ZIV, D.M.; ISHINA, V.A.; ZIV, V.S.

Electrodeposition of bismuth from dilute solutions. Part 2:  
Deposition on carbon electrodes. Radiokhimiia 1 no. 4: 488-492  
'59. (MIRA 13:1)

(Bismuth)

NOVIKOVA, G.I.; VOLKOVA, Ye.A.; GOL'DIN, L.L.; ZIV, D.M.; TRET'YAKOV,  
Ye.Z.

Radioactive decay of  $\text{Ac}^{227}$  and excited levels of  $\text{Fr}^{223}$  and  
 $\text{Th}^{227}$ . Zhur.eksp.i teor.fiz. 37 no.4:928-937 0 '59.  
(MIRA 13:5)

(Actinium--Isotopes) (Thorium--Isotopes)  
(Francium--Isotopes)

S/185/60/002/006/011/026  
AC51/A129

AUTHORS: Ishina, V. A., Ivanchenko, A.F., Ziv, D.M.

TITLE: A study on the electrochemical separation of bismuth from its diluted solutions. III. The effect of oxygen and acidity of the solution on the separation-dissolution potentials of bismuth.

PERIODICAL: Radiokhimiya, v. 2, no. 6, 1960, 691 - 698

TEXT: A comparative study was made on the separation-dissolution potentials ( $\varphi_{s/d}$ ) of bismuth in aerated and non-aerated solutions. The kinetics of the reaction was studied with the aid of the radioactive isotope ThC (Ref. 2: D. M. Ziv, V. A. Ishina, B. S. Ziv, Radiokhimiya, 1, 4, 488, 1959.) The method used for determining the potentials is similar to that described by D. M. Ziv, V. A. Ishina (Ref. 1: Radiokhimiya, 1, 2, 185, 1959). The values of  $\varphi_0$  (the formal standard potential) were calculated according to the "least squares" method for the area of the linear relationship of  $\varphi_{s/d}$  to  $\lg C$ , and  $n$  (the number of participating electrons in the reaction) was estimated in the same way. It was established that the lowest limit of applying the abbreviated

Card 1/4

S/186/60/002/006/011/026  
A051/A129

A study on the electrochemical ...

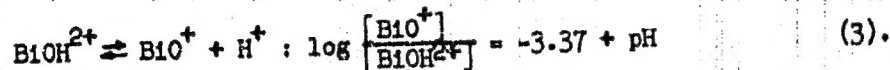
form of the Nernst equation ( $C_{\text{limit}}$ ) for the non-aerated solutions shifts considerably toward the lower concentrations widely exceeding the limits of complete coverage of the electrode. The removal of air (oxygen) from the solution is equal in its action to a decrease in the area of the electrode (Ref. 2) which causes the shift of  $C_{\text{limit}}$  in the same direction. When the air is removed from the solution, the concentration of the surface oxygen compounds or the surface concentration of the firmly adsorbed atoms of oxygen on the cathode drops sharply and the formation of bismuth is hampered. The possibility of formation of "microelectrode" aggregates is increased which causes the shift of  $C_{\text{limit}}$  toward lower  $C$ . Oxygen participates in the electrode reaction forming bismuth oxides, the heats of formation of which are sufficiently high positive values (for  $\text{Bi}_2\text{O}_3$   $H = 137.8$  kcal, for  $\text{BiO}$   $H = 49.8$  kcal, etc). The Bi residue obtained in the electrolysis were analyzed for oxygen, in order to determine the nature of the electrode reactions of bismuth. The second electrode reaction which may take place in addition to the reaction of simple ion discharge using up three electrons, is given as:  $\text{BiO}^+ + e \rightleftharpoons \text{BiO}$  ( $\varphi_0 = 0.39$  v) (1). The effect of the acidity of the solution was studied on three concentrations of nitric acid (0.1, 1 and 3 n). The comparative analysis of the obtained data shows that there are only very slight differences in the electrochemical beha-

Card 2/4

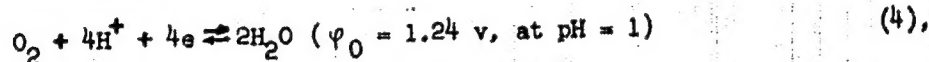
S/186/60/002/006/011/026  
A051/A129

A study on the electrochemical ...

behavior of bismuth in three concentrations of  $\text{HNO}_3$ . Certain features noted in the behavior of the  $\varphi_{s/d}$  versus  $\lg C_{\text{Bi}}$  curve are thought to be connected with the conditions of hydrolysis of bismuth in the given medium. The following ratio is accepted for the formation of the bismutyl ion according to the reaction



The oxygen ionization reaction taking place in the aerated solutions according to the equation:



would facilitate the formation of  $\text{BiO}^+$ ,  $\text{BiOH}^{2+}$  ions or other products of hydrolysis of bismuth. Experiments showed that the deviation of the value of the angle of decline of the line  $\varphi_{s/d}$  versus  $\lg C_{\text{Bi}}$  from the theoretical value for the reaction  $\text{Bi}^{3+} + 3\text{e} \rightleftharpoons \text{Bi}$  is determined by a side reaction forming bis-

Card 3/4

A study on the electrochemical ....

S/186/60/002/006/011/026  
A051/A129

mith oxides:  $\text{BiO}^+ + e \rightleftharpoons \text{BiO}$ . There are 5 tables, 3 figures, and 8 references: 6 Soviet-bloc and 2 non-Soviet-bloc. The reference to the English language publication reads as follows: J. Van Muylder, M. Fourraux, Proc. 9th Meeting Intern. Comm. Electrochem. Therm. a Kinetics, 47, London, 1959.

SUBMITTED: January 18, 1960.

Card 4/4

ZIV, D.M.; VOLKOVA, Ye.A.

Extraction of  $RdTh$  from radium-mesothorium preparations.

Radiokhimiia 3 no.1768-74 '61.

(MIRA 14:3)

(Thorium—Isotopes)

(Radium—Isotopes)

VOLKOVA, Ye.A.; ZIV, D.M.

Making concentrated preparations of  $\text{MsTh}_2$  (Ac 228). Radiokhinia 3  
no.1:75-78 '61. (MIRA 14:3)

(Actinium--Isotopes)



21816

8/081/61/000/011/008/040  
B105/B203

55230

AUTHORS: Abramova, L. I., Ziv, D. M.

TITLE: Quantitative determination of small polonium amounts.  
Communication II. Sublimation in vacuum

PERIODICAL: Referativnyy zhurnal, Khimiya, no. 11, 1961, 48, abstract  
11E337 (Radiokhim. analiz produktov deleniya. M-L.,  
AN SSSR, 1960, 104-107)

TEXT: The authors developed a method of quantitative Po separation from powders of rock and artificial mixtures basing on sublimation in vacuo. The sublimation is conducted in a quartz apparatus consisting of a small ball with ground-in neck, into which pulverized rock is poured, and of a platinum disk 15 mm in diameter which is placed on the ground section and pressed on by means of a brass cylinder which simultaneously serves as water cooler for the disk. The whole system is pumped out during the experiment by an initial vacuum pump. The ball of the apparatus is placed in an electric furnace. At a temperature of 700-800°C and a vacuum of

Card 1/2

24816

S/081/61/000/011/008/040  
B105/B203

Quantitative determination of small ...

$10^{-2}$ - $10^{-5}$  mm Hg, the Po is sublimated during 3 hr and quantitatively precipitated on the platinum disk. The method was used for determining Po in magnetite of known uranium content. The results agreed with the theoretical value within the limits of experimental errors. The authors studied the dependence of Po sublimation on the time of "aging" of the preparation on platinum. It was shown that after 48-hr aging a heating of  $700^{\circ}\text{C}$  during 2.5 - 3 hr is required for the Po sublimation. Communication I, see RZh-Khim, 1961, 10B318 (10B318). [Abstracter's note: Complete translation.]

Card 2/2

23879  
S/186/61/003/001/012/020  
A051/4129

21.3400

AUTHORS: Ziv, D.M., Volkova, Ye.A.

TITLE: The formation of RdTh from radio-mesothorium samples

PERIODICAL: Radiokhimiya, v 3, no 1, 1961, 68-73

TEXT: The authors recommend a method for the formation of RdTh and RaD from radio-mesothorium samples, and the separation of RdTh from RaD based on the difference in the solubilities of radium, thorium and lead bromides in mixtures of water- 47% HBr, methyl alcohol- 47% HBr and methyl alcohol-ether at different ratios of the mixture components. The method ensures almost complete separation of RdTh and RaD from a Ra-MsTh sample and separation of these compounds without adding a carrier. The alcohol-ether method based on the precipitation of RaD with barium bromide is recommended for separating RdTh and RaD from a saturated solution of barium bromide in methyl alcohol using ether. The final yield of RdTh is 86% of the initial quantity. In the experimental procedure first the relationship of the degree of precipitation of barium bromide and radium bromide to the quantity of the added precipitant

Card 1/4

23879

S/186/61/003/001/012/020  
A051/A129

The formation of RdTh ...

was investigated (Figs 1,2). The graphical results show the best conditions of precipitation for  $BaBr_2$  and  $RaBr_2$ . Further, the behavior of RdTh and RaD was studied, each one separately, at various ratios between the volumes of the precipitant and the saturated solution of  $BaBr_2$ . RdTh content was determined by the emanation method. The results obtained are analyzed and it is concluded that the precipitation of  $BaBr_2$  from its saturated water solution or solution in methyl alcohol by a 4-fold volume of 47% HBr results in the main quantities of RdTh, RaD and RaE (about 90%) remaining in the solution. The purification of RdTh from traces of Ra (MeTh) and RaD can be conducted by adding drops of saturated alcohol ( $CH_3OH$ ) solution of  $BaBr_2$  (about 10 mg) to the alcohol-ether solution and subsequent separation of the residue. The purification of RaD from RdTh and barium traces is carried out by precipitating RaD in the form of a sulfide. Together with RaD the same amount of lead is separated as accumulated in the radio-mesothorium sample (RaG, ThD). There are 5 tables, 2 graphs and 11 references: 2 Soviet-bloc, 9 non-Soviet-bloc.

Card 2/4

23880

S/186/61/003/001/013/020  
A051/A129

21.3400

AUTHORS: Volkova, Ye.A., Ziv, D.M.

TITLE: The production of concentrated samples of  $\text{MsTh}_2(\text{Ac}^{228})$

PERIODICAL: Radiokhimiya, v 3, no 1, 1961, 75-78

TEXT: The authors recommend a fast and convenient method for  $\text{MsTh}_2$  formation from radio-mesothorium samples without adding a carrier based on the difference in the solubilities of actinium and barium bromides and barium-radio-mesothorium-1 in mixtures of methyl alcohol and ether. The authors mention their previous work (Ref 10) on the formation and experimental procedures used for this method. From the results of the previous experiments it is seen that 78-89%  $\text{MsTh}_2$  is extracted into the alcohol-ether solution. Ra- $\text{MsTh}$  bromide was used for the extraction of  $\text{MsTh}_2$  from which first  $\text{RdTh}$  had been removed, as well as  $\text{ThB}$ ,  $\text{RaD}$ ,  $\text{RaE}$ ,  $\text{Po}$ , etc. (Ref 10). Since the extracted  $\text{MsTh}_2$  decayed with a half-life of 6.5 hours instead of 6.15 hours caused by the presence of slight admixtures of long-lived radio-elements together with their products of decay ( $\text{Ra}$ ,  $\text{RaD}$ , etc.), an additional purification of  $\text{MsTh}_2$  Card 1/3

23880

The production of concentrated samples of  $\text{MsTh}_2$ ... S/186/61/003/001/013/020  
A051/A129

was undertaken by adding drops of a saturated solution of  $\text{BaBr}_2$  in methyl alcohol (about 10 mg of  $\text{BaBr}_2$ ) to the alcohol-ether solution of  $\text{MsTh}_2$  and subsequent separation of the precipitate. The decay curve of  $\text{MsTh}_2$  is shown in the graph. The half-life of  $\text{MsTh}_2$  is 6.2-6.3 hours. The yield of  $\text{MsTh}_2$  after purification is 70-80%. The production of it from radio-mesothorium<sup>2</sup> samples, including purification of Ra- $\text{MsTh}$ , traces and Pb isotopes, takes 20-30 minutes and can be carried out continuously over a period of 1-1.5 months, since the quantity of RdTh accumulated in this time is relatively small (1-1.5%), and does not pass into the alcohol-ether solution in noticeable quantities. After this time has passed the separation of the accumulated RdTh should be carried out according to the method described in Ref 10, and only after this Ra- $\text{MsTh}$  may be used as a source of  $\text{MsTh}_2$ . There are 2 tables, 1 graph and 10 references: 1 Soviet-bloc, 9 non-Soviet-bloc.

Card 2/3

L 39090-66 EWT(m)/T/ENP(t)/ETI IJP(c) DS/JD/JG

ACC NR: AP6022878

SOURCE CODE: UR/0186/66/008/002/0197/0206

AUTHOR: Ziv, D. M.; Sukhodolov, G. M.; Fateyev, V. F.; Lastochkin, L. I.

ORG: none

TITLE: Study of the electrochemical behavior of elements present in low and ultralow concentrations in solution. Part 1. Dependence of the deposition potential of lead on platinum and gold electrodes on the  $Pb^{2+}$  concentration in solution

SOURCE: Radiokhimiya, v. 8, no. 2, 1966, 197-206

TOPIC TAGS: electrodeposition, lead, platinum, gold, electrode potential

ABSTRACT: A review of the literature shows that the nature of the electrode material on which the electrodeposition of an element from ultradilute solutions takes place plays a major part in the electrodeposition process. In this connection, the effect of the electrode material on the electrodeposition of lead on gold and platinum electrodes in nitric acid solutions was studied by means of polarization curves of the second kind.  $ThB (Pb^{212})$  was used as the radioactive tracer for lead. The dependence of the critical deposition potential of lead,  $\phi_{cr}$ , on its content in the solution was studied over a wide range of lead concentrations ( $10^{-12}$  to  $10^{-2}$  g-ion/l). The curve expressing this dependence was found to have three regions: 1) region of constant  $\phi_{cr}$ , (2) intermediate region, and (3) region of linear dependence of  $\phi_{cr}$  on  $\log C$ .

Card 1/2

UDC: 543.53:546.815

L39090-66

ACC NR: AP6022878

1. e., the Nernst region. It was found that on platinum electrodes,  $\phi_{or}$  in the region of independent potentials is 0.110 V higher than on gold. The width of the intermediate region on platinum is two orders of magnitude smaller than on gold. In the Nernst region, the values of  $n$  (from the Nernst equation) were found to be 1.46 and 1.45 for platinum and gold electrodes respectively. Orig. art. has: 5 figures, 3 tables, and 3 formulas.

SUB CODE: 07/ SUEN DATE: 26Dec64/ ORIG REF: 006/ OTH REF: 009



L 39088-66 EWP(e)/EWT(m)/T/EWP(t)/ETI IJP(c) WH/DS/JD/WH  
SOURCE CODE: UR/0186/66/008/002/0206/0210

ACC NR: AP6022879

AUTHOR: Ziv, D. M.; Sukhodolov, G. M.; Fateyev, V. F.; Lastochkin, L. I.

ORG: none

TITLE: Study of the electrochemical behavior of elements present in low and ultralow concentrations in solution. Part 2. Deposition of lead on graphite electrodes /5

SOURCE: Radiokhimiya, v. 8, no. 2, 1966, 206-210

TOPIC TAGS: lead, graphite, electrode potential, electrodeposition

ABSTRACT: The paper continues a study of the dependence of the deposition potential of lead on its concentration in solution. The effect of the nature and concentration of the electrolyte on the value of the critical deposition potential  $\phi_{cr}$  of lead on graphite electrodes was investigated by means of the method of polarization curves of the second kind. A study of the effect of solution acidity (0.1 and 3 N HNO<sub>3</sub>) on  $\phi_{cr}$  in the 10<sup>-13</sup>-10<sup>-1</sup> g-ion/l range of lead concentrations showed that the HNO<sub>3</sub> concentration has a substantial influence on the course of the dependence of  $\phi_{cr}$  on log C<sub>Pb2+</sub> in the range of ultralow lead concentrations (from 10<sup>-13</sup> to 10<sup>-7</sup> g-ion/l. This influence is insignificant at lead concentrations above 10<sup>-6</sup> g-ion/l. A study of the dependence of  $\phi_{cr}$  on log C<sub>Pb</sub> in 1 N perchloric and nitric acid solutions showed that the nature of these acids has no appreciable influence on this dependence. Values of

UDC: 543.53:546.815

Card 1/2

L 39088-66

ACC NR: AP6022879

the critical electrodeposition potentials of lead on graphite electrodes, obtained by methods of polarized curves of the first and second kind, were compared and found to agree satisfactorily. Orig. art. has: 4 figures and 5 tables.

SUB CODE: 07/ SUBM DATE: 26Dec64/ ORIG REF: 006

Card

2/2 07612

ZIV, D.M.; SHESTAKOVA, I.A.

Solubility of some actinium compounds. Part 1: Determination of the solubility of actinium oxalate. Radiokhimiya no.2: 166-175 '65.

Solubility of some actinium compounds. Part 2: Determination of solubility and evaluation of the relative basicity of actinium hydroxide. Ibid.:175-187 (MIRA 18:6)

KAIPOV, R.L.; ZIV, D.M.; LEYPUNSKAYA, D.I.; SAVOSIN, S.I.; FEDOROV, V.V.;  
FRADKIN, G.M.; SHIMELEVICH, Yu.S.; BASIN, Ya.M.; KUKHARENKO, N.K.;  
SHESTAKOV, B.I.

Use of Ac - Be neutron sources in industrial geophysics. Atom energ.  
16 no.3:269-270 Mr '64. (MIRA 17:3)

ZIV, D.M.; KIRIN, I.S.; IVANCHENKO, A.F.; ISHINA, V.A.

Enrichment of radioactive preparations of antimony based on  
phthalocyanine complexes. Radiokhimiia 5 no.5:632-633 '63.

(MIRA 17:3)

ISHINA, V.A.; ZIV, V.S.; IVANCHENKO, A.F.; ZIV, D.M.

Study of the electrochemical behavior of antimony in micro- and ultramicroamounts. Radiokhimiia 5 no.5:629-631 '63. (MIRA 17:3)

ZIV, M.A. (Leningrad, Liteynyy pr., d. 34, kv. 18.)

Endometriosis of the rectum [with summary in English]. Vop. onk.  
3 no.1:105-108 '57 (MLRA 10:4)

1. Iz I khirurgicheskoy kliniki (zav.-prof. S.A. Kholdin) Instituta  
onkologii AMN SSSR (dir.-ohl.-korr. AMN SSSR prof. A.I. Serebrov)  
(ENDOMETRIOSIS, case reports  
rectum)  
(RECTUM, dis.  
endometriosis)

ZIV, M.A. (Leningrad, Liteyny pr., d.34, kv.18); PAVLOV, K.A. (Leningrad, ul. Voinova, d.64, kv.15); VOL'FSON, H.I. (Leningrad, ul. Dzerzhinskogo, d.25, kv.8)

Effects of ouain on skin cancer and the precancerous state [with summary in English]. Vop.onk. 3 no.2:221-226 '57. (MIRA 10:6)

1. Iz laboratorii eksperimental'noy onkologii (sav. - ohlen-korr. Akademii meditsinskikh nauk SSSR prof. L.M.Shabad) i nauchno-poliklinicheskogo otdela (sav. - a.i. nauchnyy sotr. K.A.Favlov) Instituta onkologii Akademii meditsinskikh nauk SSSR (dir. - ohlen-korrespondent Akademii meditsinskikh nauk SSSR prof. A.I.Serebrov).

(SKIN NEOPLASMS, ther.

deacetyl-N-methylcolchicine in cancer & precancerous state (Rus))

(COLCHICINE, related comp.

deacetyl-N-methylcolchicine, ther. of skin cancer & precancerous state (Rus))



214, M. A.

EXCERPTA MEDICA Sec.16 Vol.6/4 Cancer

April 58

1343. *An assessment of patients with lung cancer treated at the Oncological Institute AMS USSR (Russian text)* Ziv M. A. and Pavlov K. A. *Vestn. Khir.* 1957, 79/9 (29-32 and 156) Graphs 2

The case histories of 1,883 outpatients supposed to have lung cancer are discussed. In 818 cases the diagnosis proved to be correct (45%). The protracted course of the examinations in the outpatient centres, with many time-consuming roentgen controls of patients with so-called chronic pneumonia led to a delayed diagnosis and reduced operability. Every non-resolved and, especially, recurrent so-called non-specific pneumonia in patients over 40 yr. of age is suspect. These patients must be listed apart, and hospitalization in special clinics must follow without delay.

LARIONOV, L.F.; ZIV, H.A.

Late results of chemotherapy in lymphogranulomatosis. Vop.  
onk. 4 no.2:161-166 '58. (KIRA 12:8)

1. Iz Instituta onkologii AMN SSSR (dir. - deystvitel'nyy chlen  
AMN SSSR prof.A.I.Serebrov). Adres avtorov: Moskva, 3-ya  
Meshchanskaya ul., d.61/2, korp.9, Institut eksperimental'noy  
patologii i terapii raka.

(NITROGEN MUSTARDS, ther. use

N-bis (2-chloroethyl)-2-chloropropylamine in  
Hodgkin's dis., late results (Rus))

(HODGKIN'S DISEASE, ther.

N-bis (2-chloroethyl)-2-chloropropylamine,  
late results (Rus))

ZIV, M.A. (Leningrad, Liteyny pr., d.34, kv.18)

Bronchogenic cyst of the posterior mediastinum. Vest.khir. 82  
no.1:131-132 Ja '59. (MIRA 12:2)

1. Iz khirurgicheskogo otdeleniya (sav. - prof. S.A. Kholdin)  
Instituta onkologii AMN SSSR.  
(MEDIASTINUM, cysts  
bronchogenic of posterior mediastinum (Rus))

ZIV, M.A.; PAVLOV, K.A.

Use of some chemotherapeutic preparations in treating malignant tumors and systemic diseases. Trudy Inst. onk. AMN SSSR no.3:158-168 '60 (MIRA 16:12)

1. Iz poliklinicheskogo otdela (zav - starshiy nauchnyy sotrudnik K.A.Pavlov) Instituta onkologii AMN SSSR.

DYMARSKIY, L.Yu.; DIL'MAN, V.M.; ZALESSKAYA, L.I.; ZIV, M.A.; BOGIBOV,  
Ye.A.; PAVLOVA, M.V.

Combined hormone and chemotherapy and radiotherapy of far  
advanced breast cancer. Vop. onk. 9 no.7:44-52 '63.

(MIRA 16:12)

1. Iz Instituta onkologii AMN SSSR (nauchnyy rukovoditel' raboty  
chlen-korrespondent AMN SSSR prof. S.A. Kholdin). Adres avtorov:  
Leningrad, P-129, Institut onkologii AMN SSSR.

ZIV, M.A.; PAVLOV, K.A. (Leningrad, pr.Engel'sa, d.28,kv.75)

Chronic pneumonias and bronchial cancer. Vest.khir. 89 no.9:  
20-24 S '62. (MIRA 15:12)

1. Iz nauchno-poliklinicheskogo otdela (zav. - starshiy nauchnyy  
sotrudnik K.A.Pavlov) Instituta onkologii AMN SSSR (dir. - prof.  
A.I.Serebrov).

(PNEUMONIA) (BRONCHI--CANCER)

ZIV, M. A.; PAVLOV, K. A.

Experience with the use of some chemo-therapeutic preparations in the treatment of malignant neoplasms and systemic diseases. Vop. klin. lech. zlok. novoobraz. 7:105-112. '61.

1. Institut onkologii AMN SSSR (dir. — deystv. chl. AMN SSSR prof. A. I. Serebrov).

(ANTINEOPLASTIC AGENTS ther)

ZIV, D.M.; ZIV, V.S.; SINITSYNA, G.S.

Use of the electrochemical method for determining the solubility  
of polonium hydroxide. Trudy Radiav.inst.AN SSSR. 8:158-162  
'58. (MIRA 12:2)

(Polonium hydroxide) (Electrochemistry)



ISHINA, V.A.; ZIV, V.S.; IVANCHENKO, A.F.; ZIV, D.M.

Study of the electrochemical behavior of antimony in micro- and ultramicroamounts. Radiokhimiia 5 no.5:629-631 '63. (MIRA 17:3)

ZIV, D.M.; ISHINA, V.A.; ZIV, V.S.

Electrodeposition of bismuth from dilute solutions. Part 2:  
Deposition on carbon electrodes. Radiokhimiia 1 no.4:488-492  
'59. (MIRA 13:1)

(Bismuth)

ZIV, Veniamin Samuilovich

Principles of world economics. Riga, HITI, 1930. 91 p.

1. Economic policy

COMMON ELEMENTS		PROCESSING AND PREPARATION		COMMON ELEMENTS	
OPEN		MATERIALS		OPEN	
MATERIALS		MATERIALS		MATERIALS	
<div style="position: relative; height: 100px;"> <div style="position: absolute; top: 10px; left: 10px; font-size: 2em;">Ziv, Ye. F.</div> <div style="position: absolute; top: 10px; right: 10px; font-size: 2em;">8</div> <div style="position: absolute; top: 10px; left: 100px; font-size: 2em;">Ca</div> <div style="position: absolute; top: 150px; left: 250px;"> <p>Schrelite is "skarn" of eastern Kazakhstan, Ala-tau, Siberia, approx. 54° N., 90° E. H. F. Ziv and V. D. Timofeev. <i>Bull. Acad. Sci. U. R. S. S., Class. Sci. Math. Nat., Ser. Geol.</i> 1936, 1919-1911; <i>Mineralog. Abstracts</i> 7, 48.—The order of consolidation of the igneous rocks here has been gabbro, diorite, granodiorite followed by pegmatitic and aplite veins; contact metamorphism with surrounding sediments gave marble and hornfels. This in the pneumatolytic and hydrothermal stages was followed by further metamorphism producing "skarn" rocks in which different places pyroxene, garnet, magnetite, calcite, quartz, epidote, serpentine, diopside, scapolite, wollastonite or amphibole predominate. Schrelite is usually associated with garnet and pyroxene-garnet-skarns. Several analyses are given.</p> <p style="text-align: right;">C. A. Silberrad</p> </div> </div>					
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION					
SIGNATURE		SIGNATURE		SIGNATURE	
SIGNATURE		SIGNATURE		SIGNATURE	

*Ziv, Ye F.*

Schedule in shams of the eastern slope of the Kurantish  
Ala-Tau, H. F. Ziv, Trans. All-Union Sci. Research  
Inst. Engrs. "Mikrosh" (U. S. R.) No. 145, 4 150(1)  
English, 192-61(1)810. - See C. A. 32, 410P.  
D. W. Pearce

ASS-SLA METALLURGICAL LITERATURE CLASSIFICATION

0010000000

ZIV, Ye.F.; VAYSENBERG, A.I.; STEPANOV, I.S., nauchnyy red.; YERISHOV, A.D., glavnyy red.; GINZBURG, A.I., red.; ZVEREV, L.V., red.; KREYTER, V.M., red.; MOKROUSOV, V.A., red.; SOLOV'YEV, D.V., red.; KHRUSHCHOV, N.A., red.; CHERNOSVITOV, Yu.L., red.; SHMANENKOV, I.V., red.; NEKRASOVA, N.B., red.izd-va; IVANOVA, A.G., tekhn.red.

[Industry's requirements as to the quality of mineral raw material; hand-book for geologists] Trebovaniia promyshlennosti k kachestvu mineral'nogo syr'ia; spravochnik dlia geologov. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geol. i okhrane nedr. No.49. [Niobium and tantalum] Niobil i tantal. izd.2., perer. 1959. 49 p. (MIRA 12:12)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya. (Niobium) (Tantalum)

SAMSONOV, Grigoriy Valentinovich; KONSTANTINOV, Vladimir Ivanovich.  
Prinimali uchastie: ZIL, Ye. P.; KOSOLAPOVA, T. Ya. NIKOLAYEV,  
N.S., doktor khim.nauk, setsenzent; VAYSENBERG, A.I., kand.tekhn.  
nauk, retsenzent, red.; KOLCHIN, O.P., kand.tekhn.nauk, retsenzent,  
red.; ARKHANGEL'SKAYA, M.S., red.isd-va; VAYNSHTEYN, Ye.B., tekhn.  
red.

[Tantalum and niobium] Tantal i niobil. Moskva, Gos.nauchno-tekhn.  
izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1959. 264 p.

(MIRA 12:11)

(Tantalum)

(Niobium)

BORODINA, M.L.; ZIV, Ye.F.; SHAYKEVICH, S.B.; GUBAREVA, N.A.

Use of ilmenite concentrates for the production of pigmented  
titanium dioxide by the sulfuric acid method. Titan i ego  
splavy no.5:282-288 '61. (MIRA 15:2)

(Ilmenite)  
(Titanium oxide)



S/137/62/000/006/030/163  
A006/A101

AUTHORS: Borodina, M. L., Ziv, Ye. F., Shaykevich, S. B., Gubareva, N. A.

TITLE: Utilization of ilmenite concentrates for the production of pigmentary titanium dioxide with the aid of the sulfuric acid method

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 6, 1962, 13, abstract 6096  
(In collection: "Titan i yego splavy", no. 5, Moscow, AN SSSR, 1961, 282 - 288)

TEXT: It was established that with greater intensity of utilizing the ilmenite concentrate, the degree of Ti extraction decreases from 94 to 76%. Best results regarding the requirements of pigmentary  $TiO_2$  production by the sulfuric acid method, are obtained with a concentrate of the following composition:  $TiO$  49 - 53%;  $FeO$  20 - 31%;  $Fe_2O_3$  14 - 22%; the amount of rutilized ilmenite is 0.3 - 1.78%. Pigmentary  $TiO_2$ , obtained from this concentrate, is distinguished by a high degree of whiteness and dispersity, and is characterized by the least Cr and V admixtures.

[Abstracter's note: Complete translation]

L. Vorob'yeva

Card 1/1

MALCIC, Stjepan S.; ZIVADINOVIC, Milutin S.

X-ray investigation of iodolaurionite. Bul Inst Nucl 10:47-50 Mr '60.  
(EBAI 10:5)

1. Institute of Nuclear Sciences "Boris Kidrich" Laboratory of  
Physical Chemistry.  
(Iodolaurionite) (X rays)

**ZIVADINOVIC, Jelena**

Succession of mixed populations of Collembola in the dolomite complex near Konjic. God Biol inst Sar 15 no.1/2:147-150 '62

1. Bioloski institut Univerziteta, Sarajevo.

ZIVADINOVIC, Milutin, dipl. fiz.hem. (Beograd, Ljube Stojanovica 38/3)

Neutron diffractometer at Vinca. Tehnika Jug 18 no.7:Supplement:  
Radioizotopi zrac 2 no.7:1219-1221 JI'63.

1. Institut za nuklearne nauke "Boris Kidric", Beograd-Vinca.

10

Amphoteric nature of organic oxygen compounds. N. A. Pashin and R. I. Izudinovic. *Bull. soc. chim. ray. Leningrad*, 4, 33-34 (1953).—The fusion diagrams of the systems  $\text{NH}_4\text{Pt-piperonal}$  and  $\beta\text{-C}_6\text{H}_5\text{NH}_2\text{-camphor}$  do not give evidence of compd. formation;  $\beta\text{-MeC}_6\text{H}_4\text{NH}_2$  forms a compd. with 1 mol. of  $\alpha\text{-C}_6\text{H}_5(\text{CO})_2$ , m.  $195^\circ$ , and with 2 mols. of coumarin, m.  $42^\circ$ . B. C. A.

Amphoteric nature of organic oxygen compounds. N. A. Ponomarev and R. Zivadinovic (Bull. Soc. Chim. Yougoslav., 1931, 4, 23-35).—The fusion diagrams of the systems  $\text{NiCl}_2$ -biphenol and  $\text{p-C}_6\text{H}_4$ ,  $\text{NiCl}_2$ -camphor do not give evidence of compound formation.  $\text{p-C}_6\text{H}_4$  and  $\text{NiCl}_2$  forms a compound with 1 mol. of  $\text{p-C}_6\text{H}_4(\text{CO})_2\text{O}$ , m.p. 160°, and with 2 mols. of oxaniline, m.p. 45°. R. T.

13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77 79 81 83 85 87 89 91 93 95 97 99 101 103 105 107 109 111 113 115 117 119 121 123 125 127 129 131 133 135 137 139 141 143 145 147 149 151 153 155 157 159 161 163 165 167 169 171 173 175 177 179 181 183 185 187 189 191 193 195 197 199 201 203 205 207 209 211 213 215 217 219 221 223 225 227 229 231 233 235 237 239 241 243 245 247 249 251 253 255 257 259 261 263 265 267 269 271 273 275 277 279 281 283 285 287 289 291 293 295 297 299 301 303 305 307 309 311 313 315 317 319 321 323 325 327 329 331 333 335 337 339 341 343 345 347 349 351 353 355 357 359 361 363 365 367 369 371 373 375 377 379 381 383 385 387 389 391 393 395 397 399 401 403 405 407 409 411 413 415 417 419 421 423 425 427 429 431 433 435 437 439 441 443 445 447 449 451 453 455 457 459 461 463 465 467 469 471 473 475 477 479 481 483 485 487 489 491 493 495 497 499 501 503 505 507 509 511 513 515 517 519 521 523 525 527 529 531 533 535 537 539 541 543 545 547 549 551 553 555 557 559 561 563 565 567 569 571 573 575 577 579 581 583 585 587 589 591 593 595 597 599 601 603 605 607 609 611 613 615 617 619 621 623 625 627 629 631 633 635 637 639 641 643 645 647 649 651 653 655 657 659 661 663 665 667 669 671 673 675 677 679 681 683 685 687 689 691 693 695 697 699 701 703 705 707 709 711 713 715 717 719 721 723 725 727 729 731 733 735 737 739 741 743 745 747 749 751 753 755 757 759 761 763 765 767 769 771 773 775 777 779 781 783 785 787 789 791 793 795 797 799 801 803 805 807 809 811 813 815 817 819 821 823 825 827 829 831 833 835 837 839 841 843 845 847 849 851 853 855 857 859 861 863 865 867 869 871 873 875 877 879 881 883 885 887 889 891 893 895 897 899 901 903 905 907 909 911 913 915 917 919 921 923 925 927 929 931 933 935 937 939 941 943 945 947 949 951 953 955 957 959 961 963 965 967 969 971 973 975 977 979 981 983 985 987 989 991 993 995 997 999 1001 1003 1005 1007 1009 1011 1013 1015 1017 1019 1021 1023 1025 1027 1029 1031 1033 1035 1037 1039 1041 1043 1045 1047 1049 1051 1053 1055 1057 1059 1061 1063 1065 1067 1069 1071 1073 1075 1077 1079 1081 1083 1085 1087 1089 1091 1093 1095 1097 1099 1101 1103 1105 1107 1109 1111 1113 1115 1117 1119 1121 1123 1125 1127 1129 1131 1133 1135 1137 1139 1141 1143 1145 1147 1149 1151 1153 1155 1157 1159 1161 1163 1165 1167 1169 1171 1173 1175 1177 1179 1181 1183 1185 1187 1189 1191 1193 1195 1197 1199 1201 1203 1205 1207 1209 1211 1213 1215 1217 1219 1221 1223 1225 1227 1229 1231 1233 1235 1237 1239 1241 1243 1245 1247 1249 1251 1253 1255 1257 1259 1261 1263 1265 1267 1269 1271 1273 1275 1277 1279 1281 1283 1285 1287 1289 1291 1293 1295 1297 1299 1301 1303 1305 1307 1309 1311 1313 1315 1317 1319 1321 1323 1325 1327 1329 1331 1333 1335 1337 1339 1341 1343 1345 1347 1349 1351 1353 1355 1357 1359 1361 1363 1365 1367 1369 1371 1373 1375 1377 1379 1381 1383 1385 1387 1389 1391 1393 1395 1397 1399 1401 1403 1405 1407 1409 1411 1413 1415 1417 1419 1421 1423 1425 1427 1429 1431 1433 1435 1437 1439 1441 1443 1445 1447 1449 1451 1453 1455 1457 1459 1461 1463 1465 1467 1469 1471 1473 1475 1477 1479 1481 1483 1485 1487 1489 1491 1493 1495 1497 1499 1501 1503 1505 1507 1509 1511 1513 1515 1517 1519 1521 1523 1525 1527 1529 1531 1533 1535 1537 1539 1541 1543 1545 1547 1549 1551 1553 1555 1557 1559 1561 1563 1565 1567 1569 1571 1573 1575 1577 1579 1581 1583 1585 1587 1589 1591 1593 1595 1597 1599 1601 1603 1605 1607 1609 1611 1613 1615 1617 1619 1621 1623 1625 1627 1629 1631 1633 1635 1637 1639 1641 1643 1645 1647 1649 1651 1653 1655 1657 1659 1661 1663 1665 1667 1669 1671 1673 1675 1677 1679 1681 1683 1685 1687 1689 1691 1693 1695 1697 1699 1701 1703 1705 1707 1709 1711 1713 1715 1717 1719 1721 1723 1725 1727 1729 1731 1733 1735 1737 1739 1741 1743 1745 1747 1749 1751 1753 1755 1757 1759 1761 1763 1765 1767 1769 1771 1773 1775 1777 1779 1781 1783 1785 1787 1789 1791 1793 1795 1797 1799 1801 1803 1805 1807 1809 1811 1813 1815 1817 1819 1821 1823 1825 1827 1829 1831 1833 1835 1837 1839 1841 1843 1845 1847 1849 1851 1853 1855 1857 1859 1861 1863 1865 1867 1869 1871 1873 1875 1877 1879 1881 1883 1885 1887 1889 1891 1893 1895 1897 1899 1901 1903 1905 1907 1909 1911 1913 1915 1917 1919 1921 1923 1925 1927 1929 1931 1933 1935 1937 1939 1941 1943 1945 1947 1949 1951 1953 1955 1957 1959 1961 1963 1965 1967 1969 1971 1973 1975 1977 1979 1981 1983 1985 1987 1989 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 2021 2023 2025 2027 2029 2031 2033 2035 2037 2039 2041 2043 2045 2047 2049 2051 2053 2055 2057 2059 2061 2063 2065 2067 2069 2071 2073 2075 2077 2079 2081 2083 2085 2087 2089 2091 2093 2095 2097 2099 2101 2103 2105 2107 2109 2111 2113 2115 2117 2119 2121 2123 2125 2127 2129 2131 2133 2135 2137 2139 2141 2143 2145 2147 2149 2151 2153 2155 2157 2159 2161 2163 2165 2167 2169 2171 2173 2175 2177 2179 2181 2183 2185 2187 2189 2191 2193 2195 2197 2199 2201 2203 2205 2207 2209 2211 2213 2215 2217 2219 2221 2223 2225 2227 2229 2231 2233 2235 2237 2239 2241 2243 2245 2247 2249 2251 2253 2255 2257 2259 2261 2263 2265 2267 2269 2271 2273 2275 2277 2279 2281 2283 2285 2287 2289 2291 2293 2295 2297 2299 2301 2303 2305 2307 2309 2311 2313 2315 2317 2319 2321 2323 2325 2327 2329 2331 2333 2335 2337 2339 2341 2343 2345 2347 2349 2351 2353 2355 2357 2359 2361 2363 2365 2367 2369 2371 2373 2375 2377 2379 2381 2383 2385 2387 2389 2391 2393 2395 2397 2399 2401 2403 2405 2407 2409 2411 2413 2415 2417 2419 2421 2423 2425 2427 2429 2431 2433 2435 2437 2439 2441 2443 2445 2447 2449 2451 2453 2455 2457 2459 2461 2463 2465 2467 2469 2471 2473 2475 2477 2479 2481 2483 2485 2487 2489 2491 2493 2495 2497 2499 2501 2503 2505 2507 2509 2511 2513 2515 2517 2519 2521 2523 2525 2527 2529 2531 2533 2535 2537 2539 2541 2543 2545 2547 2549 2551 2553 2555 2557 2559 2561 2563 2565 2567 2569 2571 2573 2575 2577 2579 2581 2583 2585 2587 2589 2591 2593 2595 2597 2599 2601 2603 2605 2607 2609 2611 2613 2615 2617 2619 2621 2623 2625 2627 2629 2631 2633 2635 2637 2639 2641 2643 2645 2647 2649 2651 2653 2655 2657 2659 2661 2663 2665 2667 2669 2671 2673 2675 2677 2679 2681 2683 2685 2687 2689 2691 2693 2695 2697 2699 2701 2703 2705 2707 2709 2711 2713 2715 2717 2719 2721 2723 2725 2727 2729 2731 2733 2735 2737 2739 2741 2743 2745 2747 2749 2751 2753 2755 2757 2759 2761 2763 2765 2767 2769 2771 2773 2775 2777 2779 2781 2783 2785 2787 2789 2791 2793 2795 2797 2799 2801 2803 2805 2807 2809 2811 2813 2815 2817 2819 2821 2823 2825 2827 2829 2831 2833 2835 2837 2839 2841 2843 2845 2847 2849 2851 2853 2855 2857 2859 2861 2863 2865 2867 2869 2871 2873 2875 2877 2879 2881 2883 2885 2887 2889 2891 2893 2895 2897 2899 2901 2903 2905 2907 2909 2911 2913 2915 2917 2919 2921 2923 2925 2927 2929 2931 2933 2935 2937 2939 2941 2943 2945 2947 2949 2951 2953 2955 2957 2959 2961 2963 2965 2967 2969 2971 2973 2975 2977 2979 2981 2983 2985 2987 2989 2991 2993 2995 2997 2999 3001 3003 3005 3007 3009 3011 3013 3015 3017 3019 3021 3023 3025 3027 3029 3031 3033 3035 3037 3039 3041 3043 3045 3047 3049 3051 3053 3055 3057 3059 3061 3063 3065 3067 3069 3071 3073 3075 3077 3079 3081 3083 3085 3087 3089 3091 3093 3095 3097 3099 3101 3103 3105 3107 3109 3111 3113 3115 3117 3119 3121 3123 3125 3127 3129 3131 3133 3135 3137 3139 3141 3143 3145 3147 3149 3151 3153 3155 3157 3159 3161 3163 3165 3167 3169 3171 3173 3175 3177 3179 3181 3183 3185 3187 3189 3191 3193 3195 3197 3199 3201 3203 3205 3207 3209 3211 3213 3215 3217 3219 3221 3223 3225 3227 3229 3231 3233 3235 3237 3239 3241 3243 3245 3247 3249 3251 3253 3255 3257 3259 3261 3263 3265 3267 3269 3271 3273 3275 3277 3279 3281 3283 3285 3287 3289 3291 3293 3295 3297 3299 3301 3303 3305 3307 3309 3311 3313 3315 3317 3319 3321 3323 3325 3327 3329 3331 3333 3335 3337 3339 3341 3343 3345 3347 3349 3351 3353 3355 3357 3359 3361 3363 3365 3367 3369 3371 3373 3375 3377 3379 3381 3383 3385 3387 3389 3391 3393 3395 3397 3399 3401 3403 3405 3407 3409 3411 3413 3415 3417 3419 3421 3423 3425 3427 3429 3431 3433 3435 3437 3439 3441 3443 3445 3447 3449 3451 3453 3455 3457 3459 3461 3463 3465 3467 3469 3471 3473 3475 3477 3479 3481 3483 3485 3487 3489 3491 3493 3495 3497 3499 3501 3503 3505 3507 3509 3511 3513 3515 3517 3519 3521 3523 3525 3527 3529 3531 3533 3535 3537 3539 3541 3543 3545 3547 3549 3551 3553 3555 3557 3559 3561 3563 3565 3567 3569 3571 3573 3575 3577 3579 3581 3583 3585 3587 3589 3591 3593 3595 3597 3599 3601 3603 3605 3607 3609 3611 3613 3615 3617 3619 3621 3623 3625 3627 3629 3631 3633 3635 3637 3639 3641 3643 3645 3647 3649 3651 3653 3655 3657 3659 3661 3663 3665 3667 3669 3671 3673 3675 3677 3679 3681 3683 3685 3687 3689 3691 3693 3695 3697 3699 3701 3703 3705 3707 3709 3711 3713 3715 3717 3719 3721 3723 3725 3727 3729 3731 3733 3735 3737 3739 3741 3743 3745 3747 3749 3751 3753 3755 3757 3759 3761 3763 3765 3767 3769 3771 3773 3775 3777 3779 3781 3783 3785 3787 3789 3791 3793 3795 3797 3799 3801 3803 3805 3807 3809 3811 3813 3815 3817 3819 3821 3823 3825 3827 3829 3831 3833 3835 3837 3839 3841 3843 3845 3847 3849 3851 3853 3855 3857 3859 3861 3863 3865 3867 3869 3871 3873 3875 3877 3879 3881 3883 3885 3887 3889 3891 3893 3895 3897 3899 3901 3903 3905 3907 3909 3911 3913 3915 3917 3919 3921 3923 3925 3927 3929 3931 3933 3935 3937 3939 3941 3943 3945 3947 3949 3951 3953 3955 3957 3959 3961 3963 3965 3967 3969 3971 3973 3975 3977 3979 3981 3983 3985 3987 3989 3991 3993 3995 3997 3999 4001 4003 4005 4007 4009 4011 4013 4015 4017 4019 4021 4023 4025 4027 4029 4031 4033 4035 4037 4039 4041 4043 4045 4047 4049 4051 4053 4055 4057 4059 4061 4063 4065 4067 4069 4071 4073 4075 4077 4079 4081 4083 4085 4087 4089 4091 4093 4095 4097 4099 4101 4103 4105 4107 4109 4111 4113 4115 4117 4119 4121 4123 4125 4127 4129 4131 4133 4135 4137 4139 4141 4143 4145 4147 4149 4151 4153 4155 4157 4159 4161 4163 4165 4167 4169 4171 4173 4175 4177 4179 4181 4183 4185 4187 4189 4191 4193 4195 4197 4199 4201 4203 4205 4207 4209 4211 4213 4215 4217 4219 4221 4223 4225 4227 4229 4231 4233 4235 4237 4239 4241 4243 4245 4247 4249 4251 4253 4255 4257 4259 4261 4263 4265 4267 4269 4271 4273 4275 4277 4279 4281 4283 4285 4287 4289 4291 4293 4295 4297 4299 4301 4303 4305 4307 4309 4311 4313 4315 4317 4319 4321 4323 4325 4327 4329 4331 4333 4335 4337 4339 4341 4343 4345 4347 4349 4351 4353 4355 4357 4359 4361 4363 4365 4367 4369 4371 4373 4375 4377 4379 4381 4383 4385 4387 4389 4391 4393 4395 4397 4399 4401 4403 4405 4407 4409 4411 4413 4415 4417 4419 4421 4423 4425 4427 4429 4431 4433 4435 4437 4439 4441 4443 4445 4447 4449 4451 4453 4455 4457 4459 4461 4463 4465 4467 4469 4471 4473 4475 4477 4479 4481 4483 4485 4487 4489 4491 4493 4495 4497 4499 4501 4503 4505 4507 4509 4511 4513 4515 4517 4519 4521 4523 4525 4527 4529 4531 4533 4535 4537 4539 4541 4543 4545 4547 4549 4551 4553 4555 4557 4559 4561 4563 4565 4567 4569 4571 4573 4575 4577 4579 4581 4583 4585 4587 4589 4591 4593 4595 4597 4599 4601 4603 4605 4607 4609 4611 4613 4615 4617 4619 4621 4623 4625 4627 4629 4631 4633 4635 4637 4639 4641 4643 4645 4647 4649 4651 4653 4655 4657 4659 4661 4663 4665 4667 4669 4671 4673 4675 4677 4679 4681 4683 4685 4687 4689 4691 4693 4695 4697 4699 4701 4703 4705 4707 4709 4711 4713 4715 4717 4719 4721 4723 4725 4727 4729 4731 4733 4735 4737 4739 4741 4743 4745 4747 4749 4751 4753 4755 4757 4759 4761 4763 4765 4767 4769 4771 4773 4775 4777 4779 4781 4783 4785 4787 4789 4791 4793 4795 4797 4799 4801 4803 4805 4807 4809 4811 4813 4815 4817 4819 4821 4823 4825 4827 4829 4831 4833 4835 4837 4839 4841 4843 4845 4847 4849 4851 4853 4855 4857 4859 4861 4863 4865 4867 4869 4871 4873 4875 4877 4879 4881 4883 4885 4887 4889 4891 4893 4895 4897 4899 4901 4903 4905 4907 4909 4911 4913 4915 4917 4919 4921 4923 4925 4927 4929 4931 4933 4935 4937 4939 4941 4943 4945 4947 4949 4951 4953 4955 4957 4959 4961 4963 4965 4967 4969 4971 4973 4975 4977 4979 4981 4983 4985 4987 4989 4991 4993 4995 4997 4999 5001 5003 5005 5007 5009 5011 5013 5015 5017 5019 5021 5023 5025 5027 5029 5031 5033 5035 5037 5039 5041 5043 5045 5047 5049 5051 5053 5055 5057 5059 5061 5063 5065 5067 5069 5071 5073 5075 5077 5079 5081 5083 5085 5087 5089 5091 5093 5095 5097 5099 5101 5103 5105 5107 5109 5111 5113 5115 5117 5119 5121 5123

Federalism and unitarianism Beograd, 1936. 179 p. (J0-2530)

J0359-25



RADIOBIOLOGY

YUGOSLAVIA

KILIBARDA, M.; MARKOVIC, B.; ZIVANCEVIC, S. and PANOV, D., Institute of Occupational Medicine of the Socialist Republic of Serbia (Institut za medicinu rada SRS,) Belgrade.

"Osmotic Resistance of Leukocytes Following Fractionated X-Irradiation of Rats."

Zagreb, Arhiv za Higijenu Rada i Toksikologiju, Vol 16, No 4, 1965; pp 353-356.

Abstract [English summary modified]: Whole-body irradiation in rats exposed to X-rays 1 r per min, 3 mA 70 kV for 20 minutes weekly for 20 weeks was followed by a progressive fall in osmotic resistance and longevity of white blood cells. Table, graph, 2 Soviet and 7 Western references; ms received 21 Jan 65.

ZIVANIVIC, Svetolik (Eng.)

"The variant of the normal guage railway line Sarajevo - Mostar - Luka Floc"

SO: ZELEZNICE No. 6, Year XI, June 1955

RESULOVIC, H.; ZIVANOV, N.; JOVANDIC, P.

Characteristics of the composition of an adsorptive complex  
of a series of soils developed on Triassic limestone. Zemljista  
biljka 12 no.1/3:95-102 Ja-D '63.

1. Agricultural Faculty of the University of Sarajevo, Sarajevo.

RISTIC, M. M.; RADIC, S.; ZIVANOVIC, B.

Characteristic parameters of sintering as measures of the effect of compacting pressure on the sintering of uranium dioxide, Bul Inst Nucl 14 no. 4: 199-208 O '69.

1. Department of Reactor Materials, Boris Kidric Institute of Nuclear Sciences, Beograd-Vinca.

ZIVANOVIC, B.; RISTIC, M.M.

Balance of energy at high-temperature torsion of sintered  $UO_2$ .  
Bul Inst.Nucl 13 no.3:31-39 0 '62.

1. Department of Reactor Materials.

ZIVANOVIC, D.

The application of photometry in the metal industry. p. 1321  
(Tehnika, Vol. 11, no. 10, 1956. Beograd, Yugoslavia)

SO: Monthly List of East European Accessions. (ERAL) LC. Vol. 6, No. 7,  
July 1957. Uncl.

ZIVANOVIC, Dusan (Gradac kod Pljevalja)

Results of the biogeochemical prospections for lead in the region of Suplje Stijene, for iron and alumipum in the region of the Arandelovac basin, and for fireproof clays, iron and manganese in Slovenia. Geol vjes Hrv 14:373-380 '60 (publ.'61).

1. Rudnik olova i cinka "Suplja Stijena", Gradac kod Pljevalja, Crna Gora.

ZIVANOVIC, Dusan M.

Contribution to the knowledge of the effect of sound and ultrasound  
on *Paramecium caudatum*, *Stylonychia pustulata*, and *Spirostomum tere.*  
Glas Prir muz B 14:45-66 '59.



ZIVANOVIC, Miodrag, D.

SOURCE (in caps); Given Names

Country: Yugoslavia

Academic Degrees: not given

Affiliation: Department of Reactor Physics, Institute of Nuclear Sciences  
"Boris Kidrich"

Source: Belgrade-Vintcha, Bulletin of the Institute of Nuclear Sciences  
"Boris Kidrich". Vol 11, Mar 1961, pp 59-65.

Data: "Double-Crystal Neutron Spectrometer."

Co-authors:

JOVIC, Djordje, M., Department of Reactor Physics, Institute of  
Nuclear Sciences "Boris Kidrich",

KONSTANTINOVIC, Jovan, M., Department of Reactor Physics, Institute  
Nuclear Sciences "Boris Kidrich".

ZIVANOVIC, Miodrag D.; JOVIC, Dorde M.; KONSTANTINOVIC, Jovan M.

The neutron two-crystal spectrometer. Bul Inst Miel 11:59-65  
'61.

1. Institute of Nuclear Sciences "Boris Kidrich," Department of  
Reactor Physics, Vinca.

ZIVANOVIC, Miroslav

Stratigraphy of the Central Bosnian slate mountains. Geol glas  
BH 7:195-198. '63.

MLADENOVIC, Dragomir, Dr.; ZIVAKOVIC, Nata, Dr.

Two cases of uterine tamponade in partial placenta praevia. Med. glas. 9 no.6:238-240 June '55.

1. Ginekološko-akuserska klinika Medicinskog fakulteta u Beogradu (upravnik prof. dr Tasovac) Ginekološko-akusersko odeljenje Bolnice u Sapcu (upravnik dr Novakovic).  
(PLACENTA PRAEVIA,  
partial, with uterus tamponade)

ZIVANOVIC, Olivera, sanitetski major dr; STOJADINOVIC, Nada, vojni sluzbenik  
V kl. san. sluzbe dr; MILIC, Mirjana, tehnicki saradnik laborant;  
AKSENTIJEVIC, Vida, tehnicki saradnik laborant

Results of studies on Staphylococcus pyogenes found in the infectious  
section of the ward for the burned. (Plastic Surgery Clinic of the  
Military Medical Academy. Vojnosanit. pregl. 19 no.6:423-432 Jo '62.

1. Vojnomedicinska akademija u Beogradu, higijenski zavod -- Mikrobioloski  
institut.

(BURNS)

(CROSS INFECTION)

(STAPHYLOCOCCAL INFECTIONS)

S

ZIVANOVIC, Olivera, sanitetski kapetan I klase, dr.

Contribution to the study on pathogenic properties of *Staphylococcus albus* isolated from surgical material and hands of the personnel in a surgical ward. Voj.san.pregl. 18 no.3:281-284. Nr '61.

1. Vojnomedicinska akademija u Beogradu, Higijenski zavod - Mikrobiološki institut.

(STAPHYLOCOCCUS) (SURGERY OPERATIVE)

ZIVANOVIC, Olivera, sanitetski kapetan, dr.

On the significance of phage typing of staphylococci. Voj.san.pregl.  
18 no.6/7:559-563 Je-nj '61.

1. Vojnomedicinska akademija u Beogradu, Higijenski zavod, Mikrobiološki  
institut.

(BACTERIOPHAGE) (STAPHYLOCOCCUS)

ARNERIC, Slavko, sanitetski potpukovnik, dr.; ZIVANOVIC, Olivera,  
sanitetski kapetan I kl., dr.

Role of Staphylococcus aureus in skin diseases and its relation  
to some antibiotics. Vojnosanit. pregl. 19 no.3:207-209 Mr '62.

1. Vojnomedicinska akademija u Beogradu, Klinika za kožne i  
polne bolesti, Higijenski zavod - Mikrobioloski institut.  
(ANTIBIOTICS) (DRUG RESISTANCE MICROBIAL)  
(STAPHYLOCOCCAL INFECTIONS) (DERMATITIS)  
(DERMATOLOGY)

5



ZIVANOVIC, Srboljub, asistent, dr.

Contribution to the study of the physical growth of boys and girls of secondary schools in Zemun according to the determination of Rohrer's index with the method of Gavrilovich. Glas. hig. inst. 10 no.1/2:55-59 Ja-Je '61.

1. Anatomski institut Medicinskog fakulteta u Beogradu Upravnik: Prof. dr Branko Sljivic.

(GROWTH)

ZIVANOVIC, Srboljub; LOLIC-DRAGANIC, Vera

Tuberculum interosseum radii and its ligaments. Med. pregl. 17  
no.7:365-369 '64

1. Zavod za anatomiju Medicinskog fakulteta u Novom Sadu  
(Upravnik: Prof. dr. Sinisa Radojevic).

ZIVANOVIC, Teodor, Sarajevo

On latent tuberculosis. Med. arh. 15 no.6:83-92 N-D '61.

(TUBERCULOSIS diag)

ZIVANOVIC, Toma, 1884-

VUKOVIC, Antonije, 1872- jt. au.

(Maintaining and improving the species) Sarajevo, Drzavna stamparija, 1932. 152 p.

(41-37010) QH431.Z47

- YUGOSLAVIA / Chemical Technology. Chemical Products and  
Their Application. Pharmaceuticals, Vitamines.  
Antibiotics. H

Abs Jour: Ref Zhur-Khimiya, No 12, 1959, 43394.

Author : Vitorovic O., Velasevic K., Zivanovic D.

Inst : Not given.

Title : Effect of Supersonic Waves on the PVTD Type Dextran.

Orig Pub: Arkhiv farmats., 1958, 8, No 3, 183-187.

Abstract: Supersonic waves (SW) of 800 kcy/sec frequency and of  $0.30 \text{ v/cm}^2$  intensity (I), in the course of 15 minutes cause dipolymerization and lowering of viscosity  $\eta$  of the 0.45% water solution of dextran (D) (1 hour after dissolving, 15 min.,  $6-12^\circ$ ); to cause a change of the 2.65% D solution I of  $0.56 \text{ v/cm}^2$  is required. With the increase in I,  $\eta$  and molecular weight decrease proportionally. When  $I = 1.5 \text{ v/cm}^2$ ,

Card 1/2

H-42

YUGOSLAVIA / Chemical Technology: Chemical Products and  
Their Application. Pharmaceuticals. Vitamins.  
Antibiotics.

H

Abs Jour: Ref Zhur-Khimiya, No 12, 1959, 43394.

Abstract:  $\eta$  are 0.181 and 0.205 instead of 0.253, and molecular weights are lowered by 46 and 32% for the 0.45 and 2.65% solutions of D. For the prolonged action of SW exceeding 10 minutes,  $\eta$  is proportionally lowered. In the action of SW (1.5 v/cm<sup>2</sup>, 15 min.) on the light fraction derived from D with the acid of CH<sub>3</sub>OH no changes were noticed. In the case involving a mixture of medium and heavy fractions, the depolymerization is observed. It is more pronounced for the heavy fraction ( $\eta$  varies from 0.304 and 0.361 up to 0.293 and 0.337, and molecular weight varies by 7 and 113% respectively). --  
I. Matveyeva.

Card 2/2

ZIVANOVIC, D.

Effect of supersonics on the germination of corn seed.

P. 81(Belgrade. Institut za fiziologiju razvica, genetiku i selkciju. ZBORNIK RADOVA.  
No. 4, 1956, Beograd, Yugoslavia)

Monthly Index of East European Accessions(EFAI) LC. Vol. 7,no. 2,  
February 1958

ZIVANOVIC, D

YUGOSLAVIA / Analytical Chemistry. Analysis of Inorganic Substances. E

Abs Jour: Ref Zhur-Khimiya, 1958, No 20, 67287.

Author : Zivanovic D., Maslov F.

Inst : ~~Not given.~~

Title : Determination of Tungsten in Ores.

Orig Pub: Tehn. pregl., 1956, 8, No 4, 84-86.

Abstract: A procedure for the determination of W in ores by a gravimetical method is described. A comparison of results obtained by gravimetical and photometrical methods on one of the Yugoslavian ores is given. 0.5-5.0 gr samples and heated in 100 cc of concentrated HCl on a sand bath until the total

Card 1/3



YUGOSLAVIA / Analytical Chemistry. Analysis of Inorganic E  
Substances.

Abs Jour: Ref Zhur-Khimiya, 1958, No 20, 67287.

Abstract: volume of solution is reduced to approximately 40 cc, followed by the addition of 10cc of concentrated  $\text{HNO}_3$ , reduction of the volume by approximately 5cc, addition of approximately 200cc of water, 10 cc of cinchonine (I) (125 gr I in  $\text{HCl}$ , 1:1); the solution is then kept for 2 hours in a warm place and filtered. The precipitate is washed with a dilute solution of I, dissolved in 15cc of  $\text{NH}_4\text{OH}$  (1:2), allowed to stand for 10 minutes, and filtered. The resulting filtrate is heated (to remove excess  $\text{NH}_3$ ), diluted to 200cc with boiling water, followed by the addition of 3cc of concentrated  $\text{HCl}$  and 10cc of I solution, and kept for 2 hours warm. The precipitate, removed by filtration, is washed with the dilute solution of I, dried,

Card 2/3

YUGOSLAVIA / Analytical Chemistry. Analysis of Inorganic Substances. E

Abs Jour: Ref Zhur-Khimiya, 1958, No 20, 67287.

Abstract: calcined at  $750^{\circ}$ , and weighed as  $WO_3$ . For the photometrical determination of W, previously described method (Grimaldi F., North C., Ind. Eng. Chem., Anal. Ed., 1943, 15, 625) is used. It is based on fusing of a sample with  $Na_2O_2$ , dissolving it in water, adding  $NH_4SCN$  and  $SnCl_2$  (in the form of an acid solution), and subjecting the resulting solution to photometrical analysis while employing a violet filter S42E (Zeiss). Results of the gravimetric and photometric determinations coincided and were within the limits of normal analytical errors.

Card 3/3

*Zivanovic, D.*

Yugoslavia/Analytical Chemistry - Analysis of Inorganic Substances, G-2

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 1261

Author: Zivanovic, D.

Institution: None

Title: Application of Photometry in Flotation During the Wet Separation of the Ores and in the Determination of Noble Metals

Original

Periodical: Technika, 1956, Vol 11, No 7, 1010-1017 (published in Croat with a summary in German)

Abstract: The photometric technique is applied to the determination of Cu in rocks, ores, and flotation concentrates; the method is based on the dissolution of the sample in a mixture of  $H_2SO_4$  and  $HNO_3$ , evaporation to dryness, dissolution of the residue in water, and addition of ammonia. The photometric determination is carried out with a wavelength of 7,200 A. Lead is determined photometrically with a wavelength of 4,200 A, with the addition of  $Na_2S$  in the presence of an acetate buffer with pH 4.6 and of gelatin solution. For the

Card 1/2

Yugoslavia/Analytical Chemistry - Analysis of Inorganic Substances, G-2

Abst Journal: Referat Zhur - Khimiya, No 1, 1957; 1261

Abstract: determination of W in ores the metal is first converted to  $\text{Na}_2\text{WO}_4$  and the photometric determination is carried out at 4,200 A after addition of  $\text{NH}_4\text{SCN}$  and  $\text{SnCl}_2$ .

Card 2/2

ZIVANOVIC, DUSAN

Yugoslavia/Analytical Chemistry. General Topics.

G-1

Abs Jour : Referat. Zhurnal Khimiya, No 6, 1957, 1959.

Author : Dusan Zivanovic.

Inst :

Title : Application of Photometry to Industrial Checking.

Orig Pub : Tehnika, 1956, 11, No 10, 1521-1526.

Abstract : The part of photometric methods of industrial checking, especially in the metallurgical industry, and the advantages of these methods as compared with chemical methods were discussed. The usefulness of photometric methods of analyses of usual and small size samples was shown, the checking of the quantometer was described and examples of using photometric methods in various regions were cited. It is recommended to determine Cu in the form of the tetramine complex  $\text{Cu}(\text{NH}_3)_4^{2+}$ , Pb in the form of PbS sol, Zn in the form of a complex with  $\text{SCN}^-$  and methyl violet, Cr in the form of  $\text{CrO}_4^{2-}$ , Au in the form of  $\text{Au}^0$ , and  $\text{Pt}^{2+}$  by the

Card 1/2

-23-

Yugoslavia/Analytical Chemistry. General Topics.

G-1

Abs Jour : Referat. Zhurnal Khimiya, No 6, 1957, 1959.

coloration of molybdenum blue. The above methods  
are applicable in particular for checking the pro-  
cesses of flotation and wet methods of concentration.

Card 2/2

-24-

ZIVANOVIC, D.; MASLOV, T.

ZIVANOVIC, D.; MASLOV, T. Contribution to determining wolframite reserves. p. 84.

Vol. 8, No. 4, 1956.

TEHNICKI PRIGLED

TECHNOLOGY

Zagreb, Yugoslavia

So: East European Accession, Vol. 6, No. 2, Feb. 1957

ZIVANOVIC, D.

Use of photometry in flotation, in wet separation of ores, and in analysis of precious metals. p.10101 TEHNIKA (Savaz inzenjera i techicara Jugoslavije) Beograd. Vol. 11, no. 7, 1956.

SOURCE: East Europe Accession Lists (EEAL),  
Library of Congress, Vol. 5, no. 11, Nov. 1956



ZIVANOVIC, D.

"Effect of Sound Waves on the Multiplication of the *Paramecium*" p. 185  
(ZBORNIK RADOVA, Vol. 25, no. 2, 1952, Beograd, Yugoslavia)

SO: Monthly List of East European Accessions, Library of Congress, Vol. 2,  
No. 10, October, 1953, Unclassified

YUGOSLAVIA/Analytic Chemistry. Analysis of Inorganic  
Substances.

Abs Jour: Ref Zhur-Khin., No 23, 1958, 77338.

Author : Zivanovich Dusan.

Inst :

Title : Application of Potentiometric Method to Titrimetric  
Determination of Percentual Iron Content in Iron  
Ores and of Manganese Content in Ferromanganese and  
Manganese-Silicon.

Orig Pub: Tehnika, 1958, 13, No 2, Hem. ind., 12, No 2, 22-26.

Abstract: In the determination of Fe, 0.5 g of the rock to  
be analyzed is dissolved in the mixture of 30 ml  
of HCl (1 : 1), 30 ml of HNO<sub>3</sub> (1 : 1) and 15 ml  
of H<sub>2</sub>SO<sub>4</sub> (1 : 1), the solution is evaporated until  
fumes of SO<sub>3</sub> appear, diluted with water and filtered.

Card : 1/3

YUGOSLAVIA/Analytic Chemistry. Analysis of Inorganic Substances.

Abs Jour: Ref Zhur-Khin., No 23, 1958, 77338.

The insoluble residue is burnt with the filter, evaporated with 1 ml of 40%-ual HF and 1 or 2 drops of concentrated  $H_2SO_4$  until dry, and fused with  $K_2S_2O_7$ . The fuse is dissolved in dilute  $H_2SO_4$  and the solution is combined with the original filtrate. The prepared solution (solution A) is evaporated to about 100 ml, heated with 5 ml of concentrated HCl to the boiling point, and  $SnCl_2$  is added in a little excess (1 to 2 drops) for the reduction of  $Fe^{3+}$ ; 100 to 200 ml of water, 10 ml of  $HgCl_2$  solution, 50 ml of mixed  $H_2SO_4$  and  $H_3PO_4$  (150 ml of  $H_2SO_4$ , 100 ml of  $H_3PO_4$  and 750 ml of water mixed together), and 12 drops of 1%-ual diphenylamine solution in concentrated

Card : 2/3

89

YUGOSLAVIA/Analytic Chemistry. Analysis of Inorganic Substances.

E

Abs Jour: Ref Zhur-Khin., No 23, 1958, 77338.

$H_2SO_4$  are added, and the mixture is titrated potentiometrically with 0.1 n.  $K_2Cr_2O_7$  solution. For Mn determination, the analysis is started in the same way up to the preparation of the solution A, which is diluted with water to 250 ml after that. 25 g or more of solid  $Na_2P_2O_7 \cdot H_2O$  and up to about 300 ml of water are added to 25 ml of the dilute solution, pH is adjusted on the level of 6 to 6.5 with  $H_2SO_4$ , and it is titrated with 0.02 n.  $KMnO_4$  solution. Both the methods give reproducible results. - N. Turkevich.

Card : 3/3

CA

7

Determination of zinc by the ferrocyanide method.  
D. Živanović (Rudnik "Trepcen," Zvečan, Yugoslavia).  
Bull. *Yugoslav. Acad. Sci. Ser. B* 15, 91-100 (1954) (English sum-  
mary); cf. Low, *Technical methods of ore analysis*, 1927,  
p. 292 (C.A. 23, 871); Hastings, *Eng. Mining J. Press*,  
121, 247-48 (1925).—Details are given for detg. Zn in metal-  
lurgical products and in ores. 25 references. S. E. B.

BC

19

2022. *Preparation method for determination of iron (in steel).*  
D. Zimovskiy. *Dokl. Akad. Nauk SSSR*, 1963, 128, 81-100. —A sample (10 g.) containing <95% of Fe is evaporated with dil.  $\text{HNO}_3$  to dryness; 1 g. of its perchlorate, a little water, and 10 (1:1)  $\text{HClO}_4$  are added, and the whole is boiled for a few min. drops of  $\text{H}_2\text{SO}_4$  are added, and the whole is boiled for a few min. without stirring; then Fe is precip. with aq.  $\text{NH}_4\text{OH}$ , the liquid filtered, and the ppt. washed 3 times with 4% aq.  $\text{NH}_4\text{OH}$ , filtered, and the ppt. cannot be precip. with  $\text{K}_2\text{Cr}_2\text{O}_7$  (not  $\text{HClO}_4$ , as in this case Cu cannot be precip. with  $\text{K}_2\text{Cr}_2\text{O}_7$ ). The filtrate is boiled to remove most of the  $\text{HCl}$ , and Cu is precip. with 10 ml. of 15% aq.  $\text{NH}_4\text{OH}$ . Without removing the ppt., 5 ml. of dil. (1:1)  $\text{HCl}$  are added and the liquid is titrated with aq.  $\text{K}_2\text{Fe}(\text{CN})_6$  using  $\text{NH}_4\text{SCN}$  methylorange as external indicator.

S. S. SIKHOLISHVILI

ASS. S.A. METALLURGICAL LITERATURE CLASSIFICATION

CA

**Electrolytic determination of cadmium.** Duban Zeynep K. (Refine, Turkey, Zeynep Yagudova). *Def. sc. class. (Ref. 14, 223-461) (90) English summary.* — The determination of Cd in different morphological products of Zn and Pb is described. Dissolve 5 g Zn concentrate in 10 ml 6 N HCl and 15 ml concd. HNO<sub>3</sub>. Pump the solution to a small vol., treat with 15 ml 18 N H<sub>2</sub>SO<sub>4</sub> and heat. Treat the nearly dry residue with 100 ml of hot H<sub>2</sub>O, add 15 ml of 15% Na<sub>2</sub>SO<sub>3</sub>, boil the mixt. for a few min., filter, wash with the ppt. with 40 ml H<sub>2</sub>O. Treat the hot filtrate with 1 ml of 30% H<sub>2</sub>O<sub>2</sub>, 12 ml of concd. Ni(OH)<sub>2</sub>, and 5 g K<sub>2</sub>SO<sub>4</sub> (or (NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub>) to ppt. Mn, boil the mixt. a few min., slightly cool, and treat with a little 30% H<sub>2</sub>O<sub>2</sub>. Add the suspension obtained to 10 ml concd. Ni(OH)<sub>2</sub> to ppt. Fe, filter hot, and wash with hot 45% (NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub> soln. Heat the filtrate to drive off Ni(OH)<sub>2</sub> and H<sub>2</sub>O, dil. to 250 ml, neutralize with dil. H<sub>2</sub>SO<sub>4</sub> (methyl red) and acidity with 1 drop of 18 N H<sub>2</sub>SO<sub>4</sub>. Add 0.5-1 ml of 0.1% soln. of pure gelatin and 5 g H<sub>2</sub>BO<sub>3</sub>. Electrolyze the soln. at 50° for 0.5 hr. by using Pt anode and a 6 x 150 mm. Zn rod as cathode. Immerse the electrodes in warm H<sub>2</sub>O, using a few crystals of H<sub>2</sub>BO<sub>3</sub> and deaerated. Use 50% Pt(OH) to wash the cathode. The washings and the electrolyte should give no test for Cd. When the Zn concentrate contains a large amt. of Cd, effect the pptn. of Mn and Fe in a 250-ml. volumetric flask with 30 ml. concd. Ni(OH)<sub>2</sub>, adjust the vol. and take a 200-ml. aliquot for further work. The amt. of Cd absorbed by Pt(OH)<sub>2</sub> is added in a control run by using a standard Cd soln. to which was added an amt. of Fe approx. equal to that in the analyzed sample, and the result of the analysis corrected accordingly. In the analysis of bismuth ores (I) it is necessary to remove PbSO<sub>4</sub> before Cu is pptd. with Na<sub>2</sub>SO<sub>3</sub>. For the analysis of Cd concentrates (II) a 0.1-0.2 g. sample is used. Since I and II contain more As than Fe, a 10-ml excess of CuSO<sub>4</sub>·5H<sub>2</sub>O over As is added after the evapn. of H<sub>2</sub>SO<sub>4</sub>, and more Na<sub>2</sub>SO<sub>3</sub> is used. S. E. B.

ZIVANOVIC, Miodrag D.; KONSTANTINOVIC, Jovan M.; JOVIC, Djordje M.  
[Jovic, Dorde M.]

Growing large monocrystals of lead, Bul Inst Nucl 10:4]-46 Mr '60.  
(EPAI 10:5)

1. Institute of Nuclear Sciences "Boris Kidrich" Laboratory of  
Physics.

(Lead)

(Crystals)



ZIVANOVIC, Olivera, dr., sanitetski major; UZELAC, Ozren, sanitetski puk.  
doc.; ILIC, Pavle, sanitetski kapetan, dr.; SERTIC, Anica, sanitetski  
major, dr. Tehnicki saradnici: MILIC, Mirjana, ASENTEJJEVIC, Vida

Incidence and phagotypes of Staphylococ us pyogenes in turns  
and vicinity. Vojnosanit. pregl. 21 no.12:765-770 D'64.

1. Klinika za plasticku hirurgiju, Mikrobioloski institut, Vojno-  
medicinska akademija u Beogradu.

ZIVANOVIC, Olivera, sanitetski kapetan I klase d-r

In vitro antibiotic sensitivity of gram-negative bacilli isolated in urinary infections. Voj.san.pregl., Beogr. 17 no.7/8:800-804 JI-Ag '60.

1. Vojnomedicinska Akademija u Beogradu, Higijenski zavod, Mikrobioloski institut

(URINARY TRACT INFECTIONS etiol)

(ANTIBIOTICS pharmacol)

LIVANOVIC, P.

1. Parasitology, Parasitology by Use of Micro-organisms  
Belgrade, 1952. Parasitology, Vol. 11, No. 3, 1961.
2. Effect of Radiation on the Development of Parasites  
Belgrade, 1952. Parasitology, Vol. 11, No. 3, 1961.
3. Parasitology, Parasitology by Use of Micro-organisms  
Belgrade, 1952. Parasitology, Vol. 11, No. 3, 1961.
4. Parasitology, Parasitology by Use of Micro-organisms  
Belgrade, 1952. Parasitology, Vol. 11, No. 3, 1961.
5. Parasitology, Parasitology by Use of Micro-organisms  
Belgrade, 1952. Parasitology, Vol. 11, No. 3, 1961.
6. Parasitology, Parasitology by Use of Micro-organisms  
Belgrade, 1952. Parasitology, Vol. 11, No. 3, 1961.
7. Parasitology, Parasitology by Use of Micro-organisms  
Belgrade, 1952. Parasitology, Vol. 11, No. 3, 1961.
8. Parasitology, Parasitology by Use of Micro-organisms  
Belgrade, 1952. Parasitology, Vol. 11, No. 3, 1961.
9. Parasitology, Parasitology by Use of Micro-organisms  
Belgrade, 1952. Parasitology, Vol. 11, No. 3, 1961.

— 1/1 —

30

Subject, John F. Kennedy, Vol. II, No. 2, 1963 (continued)

7/20/63, 7/20/63, 7/20/63

1. Subject is John F. Kennedy, 29th President of the United States, born May 29, 1917, in Boston, Massachusetts. He was the youngest son of Joseph P. Kennedy, Sr., and Rose Fitzgerald Kennedy. He was a member of the United States Naval Academy, a member of the United States Army, and a member of the United States Air Force. He was a member of the United States House of Representatives, a member of the United States Senate, and a member of the United States Supreme Court. He was a member of the United States Intelligence Community, a member of the United States Intelligence Community, and a member of the United States Intelligence Community.

ZIVANDVIC, S

from 9 to 92-70%.

H. F. F. F.

90

ZIVANOVIC, S.

Possibility of production of zeolite in our country.  
p. 1425. Vol. 9, No. 9, 1954. *TEHNIKA*. Beograd,  
Yugoslavia.

SOURCE: East European Accessions List, (EEAL) Library  
of Congress, Vol. 5, No. 8, August, 1956.

ZIVANOVIC, S.

Variation of the new standard-gauge track on the Sarajevo-Mostar-Luka  
Ploce line; a combination of railroad tracks for the high dam across the  
Neretva River above Konjic. p. 201.  
ZELEZNICE. Beograd.  
Vol. 11, no. 6, June 1955

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, no. 2,  
Feb. 1956

ZIVANOVIC, S.

"The Belgrade railway junctions." p. 37. (ZELEZNICE, Vol. 9, no. 2, Feb. 1953, Beograd.)

30: Monthly List of East European Accessions, Vol. 2, #8, Library of Congress  
August, 1953, Uncl.



Distr: 4E2c/4E3b

Enrichment of low- and high-carbon graphites of Pakrac (Croatia) by flotation. *Spektar, 21 (1974), 1-2, 1-2 (SR)*  
 Belgrade, Yugoslavia and Franja Rijeca, Ljubljana (Belgrade) 14, 1746-51 (1973).—In the flotation of low and high C graphites of Pakrac (Croatia), contg. <6.50% C, high yields required fine grinding, which was satisfactory when 85-90% of the charge passed a 0.06-mm. sieve. Pine oil and gas oil were best as foaming agent and collector, resp. Alk. pulps of pH 8-9 were superior to neutral or slightly acidic ones. The high-C content varieties examined by x-rays showed a clear cryptocryst. structure. They have good properties for foundry application. N. Plavcic

ZIVANOVIC, Svetislav B., ing.; RIJAVEC, Frana, hemicar; HAJDUKOVIC,  
Joze

The development of the exploitation and refining of the graphite  
of Pakrac. Kem ind 10 no.5:137-141 My '61.

1. Savetnik, UVTI, Beograd (for Zivanovic). 2. Saradnik Instituta  
za ispitivanje materijala NRS, Beograd (for Rijavec). 3. Tehnicki  
rukovodilac Slavonskih rudnika nemetala, Pakrac (for Hajdukovic).

ZIVANOVIC, Todor, Dr., (Sarajevo)

Auditive and visual method in lung examination. Med. arh.,  
Sarajevo-9 no.1:73-83 Jan-Feb 55.

(LUNGS, radiography  
diag. value, comparison with percussion & auscultation.  
(Ser))  
(PERCUSSION,  
lungs, value in comparison with auscultation &  
radiography. (Ser))  
(AUSCULTATION,  
lungs, value in comparison with percussion &  
radiography. (Ser))

ZIVANOVIC, Teodor, Dr., Sarajevo

Auditive and visual method in heart examination. Med. arch.,  
Sarajevo 9 no.4:169-186 July-Aug 55.

(HEART, radiography  
comparison with percussion & auscultation in heart  
exam. (Ser))

(PERCUSSION,  
heart, comparison with auscultation & radiography in  
heart exam. (Ser))

(AUSCULTATION,  
heart, comparison with percussion & radiography in  
heart exam. (Ser))